

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**Applicant(s):** Stephan T. Melnychuk, et al.

**Examiner:** Irakli Kiknadze

**Serial No.:** 10/567,026

**Art Unit:** 2882

**Filed:** January 10, 2007

**Docket:** 12435

**For:** DIAMOND-BASED  
PROTON BEAM TARGET  
FOR CONTRABAND DETECTION

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**Confirmation No:** 9466

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**RESPONSE PURSUANT TO 37 C.F.R. §1.111**

Sir:

In response to the Office Action of September 25, 2008, Applicants request consideration of the following reply in the above-identified application:

**Amendments to the Claims** are reflected in the listing of claims which begins on page 2 of this paper.

**Remarks** begin on page 6 of this paper.

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Dated: January 26, 2009

  
Steven Fischman